MACHINES / EQUIPMENT FOR NATURAL WOODS AND BOARDS

INSTRUCTIONS

FOR EACH OF THE MACHINES SHOWN ON THIS SHEET, FIND INFORMATION ON HOW THEY ARE USED. THEN, CREATE AN INFORMATION SHEET FOR EACH ONE, WHICH SHOULD INCLUDE SKETCHES AND NOTES.

YOU WILL FIND ALL THE INFORMATION YOU NEED IN - THE 'EQUIPMENT AND PROCESSES SECTION' AND/OR THE 'POWER TOOLS SECTION' OF:
www.technologystudent.com

1. MACHINE DRILL
2. DISK SANDER
3. FRETSAW
4. TABLE TOP ROUTER
5. HAND-HELD PLANER
6. POWER DRILL
7. CNC ROUTER
8. HAND-HELD ROUTER
9. CORDLESS POWER DRILL
10. TABLE CIRCULAR SAW
11. HAND-HELD CIRCULAR SAW
12. JIGSAW
13. SHEET SANDER
14. PALM SANDER
15. WOODWORKING LATHE

EQUIPMENT - Metals
- Welding
  - hexagonal shape or a tube.
  - form a long shape, such as an extrusion (extruder)
  - when hot pliable metals, for example large curves.
- Extrusion (Extruder)
- Metal Rollers
  - bends.
  - accurately, forming accurate corners and angles.
- Tube / Pipe Bender
  - form a long shape, such as an extrusion (extruder)
  - when hot pliable metals, for example large curves.
- Metal Rollers
  - bends.
  - accurately, forming accurate corners and angles.
- Tube / Pipe Bender
- Drilling machine
- Guillotine
- Milling Machine
- Centre Lathe
- Drop Forging and Shaping Machine
- Grinder / Surface Grinder
- Power Drill
- Cordless Power Drill
- Table Saw
- Hand- Held Circular Saw
- Jigsaw
- Hand- Held Planer
- Hand- Held Router
- Table Top Router
- Cordless Hand- Held Router

EQUIPMENT - Finishing
- Sanding Machine, Linisher, Belt Sander
- Polishing / Buffing Machine
- Grinding Machine
- Surface Grinder
- Hand- Held Sander
- Palm Sander
- Sheet Sander
- Disk Sander

EQUIPMENT - Plastics
- Extrusion, Compression Moulding
  - can be applied to the surface of plastics.
- Injection Moulding
  - can be applied to the surface of plastics.
- Blow Moulding, Rotational Moulding
  - for moulding 'fluid' plastic into a shape inside a mould.
- Vacuum Forming
  - for folding plastics at a set angle.
  - for producing an extruded shape / profile. E.G. a long hexagonal shape or a tube.
- Profile Cutter
  - for 3D forming of a plastic component / part.
- Laser Cutter
  - for precision cutting, shaping and engraving.
- CNC Router
  - for precision cutting, shaping and engraving.
- Band Saw
  - for general cutting and shaping.
- Fretsaw
  - for general cutting and shaping.
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